providing a source of compressed video which generates a compressed video stream having a variable frame rate;

providing a video display unit which receives said compressed video frames, decompresses said video frames and displays said video frames, wherein said unit is constrained to a fixed frame rate; and

padding said generated compressed video frames with frames which indicate that no change has occurred, to achieve said fixed frame rate.

23. A method according to claim 22, comprising, increasing said padding and decreasing said variable rate, to compensate for bandwidth limitation in transmission between said source and said display unit.

24. A method according to claim 22, comprising, increasing said padding and decreasing said variable rate, to compensate for an instantaneous resource limitation at said source.

25. A method of bandwidth allocation for a compressed video stream, comprising:

generating a plurality of display commands, by executing a computer program;

converting said display commands into a compressed video stream;

estimating a future content of said video stream; and

allocating resources responsive to said estimate.

26. A method according to claim 25, wherein said resources are one of bandwidth resources and CPU resources.

27. A method according to claim 25, wherein said program comprises a WWW browser.

28. A method according to claim 27, wherein estimating comprises identifying a future download of complex display data.

29. A method according to claim 27, wherein estimating comprises identifying a future download of a continuous data stream.

30. A method of bandwidth allocation for transmitting video on a cable network, comprising:

providing a plurality of data sources;

differentially converting said data sources into compressed video streams, responsive to an instantaneous resource restriction; and

multiplexing said compressed video streams on a single transmission line.

31. A method according to claim 30, wherein said differentially converting comprises converting each data source to a different frame rate compressed video stream.

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32. A method according to claim 30, wherein said differentially converting comprises, converting each data source to a different frame quality level.

33. A method according to claim 30, wherein said resource restriction comprises a bandwidth restriction.

34. A method according to claim 30, wherein said resource restriction comprises a computing resource restriction.

35. A method according to claim 30, wherein said data sources comprise display commands.

36. A method according to claim 30, wherein said differentially converting comprises differentially converting responsive to a content of said data sources.

37. A method according to claim 36, comprising providing an indication of said content with said data sources.

38. A method according to claim 36, comprising providing an indication of said content by analyzing display commands which are comprised in said data sources.

39. A method according to claim 36, comprising providing an indication of said content by a software which generates at least one of said data sources.
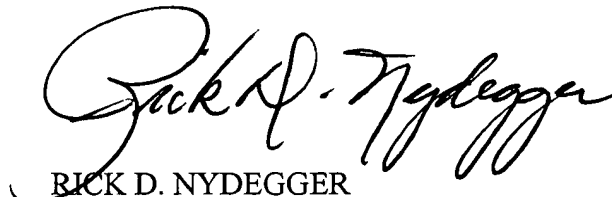
40.   A method of bandwidth allocation, comprising:

providing a distribution network having a bandwidth;

transmitting on said network a plurality of channels, comprising Internet channels and TV channels; and

dynamically allocating bandwidth between Internet channels and TV channels.

41.   A method of statistical bit multiplexing, comprising:

providing a plurality of compressed video streams to be multiplexed;

providing, for at least one of said plurality of streams, side information, indicative of a content of a frame of said stream; and

differentially dropping bits from said at least one of plurality of streams, responsive to said side information.

42.   A method according to claim 41, wherein said side information includes a minimal quality level for said frame.

Consideration of the application is respectfully requested in view of the foregoing amendments.

Please direct any inquiries concerning this correspondence to the undersigned.

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